

ABSTRACT OF THE DISCLOSURE

The invention relates to protected unsaturated alcohol with formula $(R^1 - O)_mPG$, wherein R^1 represents a linear, straight-chain aliphatic hydrocarbon group containing one or more double bonds and having 26-30 C-atoms, m is 1 or 2 and PG, forming an ether group in combination with the -O- of the former primary alcohol, represents a protecting group chosen from the group of substituted methyl ethers, substituted ethyl ethers, (substituted) benzyl ethers and (substituted) silyl ethers with at least one substituent on the Si-atom being not a methyl group, in case $m=1$; and a diol protecting group in case $m=2$; A protected saturated alcohol with formula $(R^2 - O)_mPG$, herein R^2 represents a linear straight-chain alkyl group with 26-30 C-atoms and PG and m are as defined above; unsaturated alcohols with formula R^1OH wherein R^1 represents a linear, straight-chain aliphatic hydrocarbon group containing one, two or three double bonds and having 27 C-atoms, a linear, straight-chain aliphatic hydrocarbon group containing one or more double bonds and having 28 C-atoms with the proviso that when R^1 has one double bond which is between C_{18} and C_{19} or between C_{19} and C_{20} , R^1OH has the E-configuration, or a linear, straight-chain aliphatic hydrocarbon group containing two or three double bonds and having 26-29 C-atoms. The invention further relates to processes for the preparation of such protected unsaturated alcohols via an organometallic cross coupling reaction, a Wittig reaction via Olefin Cross Metathesis.